

CLAIMS

What is claimed is:

1 1. A method for handing over a mobile wireless connection established over
2 a network, said mobile wireless connection being between a mobile terminal having a first
3 address on said network and a terminal having a second address on said network, said mobile
4 wireless connection being established through a switching center, said method comprising:

5 monitoring a condition of at least one of said mobile wireless connection and
6 said mobile terminal;

7 sending a handover request to said switching center when said condition attains
8 a predetermined state to re-route said mobile wireless connection from said first address to a
9 transfer address on said network through said switching center; and

10 establishing a transfer connection between said second address and said transfer
11 address.

1 2. The method of claim 1, wherein said predetermined state is a disconnect
2 of said mobile wireless connection not resulting from a disconnect signal generated by either
3 said mobile terminal or said terminal.

1 3. The method of claim 1, wherein said condition is at least one of a level
2 of power of a battery in said mobile terminal, and a break in said mobile wireless connection.

1 4. The method of claim 3, wherein said condition is said level of said
2 battery power and said predetermined state is that said battery power is less than a
3 predetermined threshold.

1 5. The method of claim 4, further comprising the steps of:
2 placing said mobile wireless connection on hold; and
3 attempting to re-establish said mobile wireless connection between said first
4 address and said second address after a predetermined period of time has elapsed from the time
5 said mobile wireless connection has been broken, said transfer address being said first address.

1 6. The method of claim 5, wherein said predetermined period of time is
2 sufficient to allow said battery of said mobile terminal to be changed. .

1 7. The method of claim 3, further comprising the steps of :
2 placing said mobile wireless connection on hold; and
3 attempting to re-establish said mobile wireless connection when said condition is
4 no longer satisfied.

1 8. The method of claim 5, further comprising, if said mobile wireless
2 connection between said first address and said second address cannot be re-established, re-
3 routing said mobile wireless connection to a second transfer address, said second transfer
4 address being other than said first address.

1 9. The method of claim 3, further comprising the step of:
2 informing said second user that said mobile wireless connection is being re-
3 routed.

1 10. The method of claim 1, wherein said transfer address includes a
2 hierarchy of alternate network addresses.

1 11. The method of claim 10, wherein a first alternate network address in said
2 hierarchy is said first address.

1 12. The method of claim 11, wherein a second alternate network address in
2 said hierarchy is an address having an alternate first user address for voice communication, so
3 that said connection may be continued at said second alternate network address.

1 13. The method of claim 12, wherein a third alternate network address in
2 said hierarchy is an address at which said second user may leave a message.

1 14. The method of claim 10, wherein a first alternate network address in said
2 hierarchy is an address at which said second user may leave a message.

1 15. The method of claim 10, wherein a first alternate network address in said
2 hierarchy is an address at which said second user may reach a third party.

1 16. The method of claim 15, wherein said first address corresponds to a
2 person in a specific class of user, and said third party is a person in said specific class of user.

1 17. The method of claim 9, wherein said step of informing said second user
2 that said mobile wireless connection is being re-routed includes offering said second user a
3 choice of transfer addresses to which said second user may be re-routed.

1 18. A system for handing over a mobile wireless connection established over
2 a network, said mobile wireless connection being between a mobile terminal having a first
3 address on said network and a terminal having a second address on said network, said mobile
4 wireless connection being established through a switching center, said system comprising:

5 means for monitoring a condition of at least one of said mobile wireless
6 connection and said mobile terminal;

7 means for sending a handover request to said switching center when said means
8 for monitoring determines that said condition has attained a predetermined state; and

9 means for re-routing said wireless mobile connection from said first address to a
10 transfer address on said network through said switching center in response to said handover
11 request to establish a transfer connection between said second address and said transfer
12 address.

1 19. The system of claim 18, wherein said predetermined state is a disconnect
2 of said mobile wireless connection not resulting from a disconnect signal generated by either
3 said mobile terminal or said terminal.

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1 20. The system of claim 18, wherein said condition is at least one of a level
2 of power of a battery in said mobile terminal, and a break in said mobile wireless connection.

1 21. The system of claim 20, wherein said condition is said level of said
2 battery power and said predetermined state is that said battery power is less than a
3 predetermined threshold.

1 22. The system of claim 21, further comprising:
2 means for placing said mobile wireless connection on hold; and
3 means for attempting to re-establish said mobile wireless connection between
4 said first address and said second address after a predetermined period of time has elapsed
5 from the time said mobile wireless connection has been broken, said transfer address being
6 said first address.

1 23. The system of claim 22, wherein said predetermined period of time is
2 sufficient to allow said battery of said mobile terminal to be changed..

1 .24. The method of claim 21, further comprising the steps of :
2 placing said mobile wireless connection on hold; and
3 attempting to re-establish said mobile wireless connection when said condition is
4 no longer satisfied.

1 25. The system of claim 22, further comprising, means for re-routing said
2 mobile wireless connection to a second transfer address, if said mobile wireless connection
3 between said first address and said second address cannot be re-established, said second
4 transfer address being other than said first address.

1 26. The system of claim 20, further comprising:
2 means for informing said second user that said mobile wireless connection is
3 being re-routed.

1 27. The system of claim 18, wherein said transfer address includes a
2 hierarchy of alternate network addresses.

1 28. The system of claim 27, wherein a first alternate network address in said
2 hierarchy is said first address.

1 29. The system of claim 28, wherein a second alternate network address in
2 said hierarchy is an address having an alternate first user address for voice communication, so
3 that said connection may be continued at said second alternate network address.

1 30. The system of claim 29, wherein a third alternate address in said
2 hierarchy is an address at which said second user may leave a message.

1 31. The system of claim 27, wherein a first alternate network address in said
2 hierarchy is an address at which said second user may leave a message.

1 32. The system of claim 27, wherein a first alternate network address in said
2 hierarchy is an address at which said second user may reach a third party.

1 33. The system of claim 32, wherein said first address corresponds to a
2 person in a specific class of user, and said third party is a person also in said specific class.

1 34. The system of claim 26, wherein said means for informing said second
2 user that said mobile wireless connection is being re-routed includes means for offering said
3 second user a choice of transfer addresses to which said second user may be re-routed.

1 35. The system of claim 18, wherein said means for monitoring is located in
2 said switching center.